

# Outfall Repairs -- No. 509948

Category  
Agency  
Planning Area  
Relocation Impact

Conservation of Natural Resources  
Public Works & Transportation  
Countywide  
None

Date Last Modified  
Required Adequate Public Facility

January 5, 2006  
NO

## EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY05	Est. FY06	Total 6 Years	FY07	FY08	FY09	FY10	FY11	FY12	Beyond 6 Years
Planning, Design and Supervision	1,952	224	324	1,404	234	234	234	234	234	234	0
Land	12	10	2	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	2,541	1,017	372	1,152	192	192	192	192	192	192	0
Other											
Total	4,505	1,251	698	2,556	426	426	426	426	426	426	*

## FUNDING SCHEDULE (\$000)

G.O. Bonds	4,505	1,251	698	2,556	426	426	426	426	426	426	0
Current Revenue: General	0	0	0	0	0	0	0	0	0	0	0

## ANNUAL OPERATING BUDGET IMPACT (\$000)

### DESCRIPTION

This project provides for the repair of existing storm drain outfalls into stream valleys. Design of corrective measures is included when in-kind replacement of original outfall structures is not feasible. Candidate outfall repairs are selected from citizen and public agency requests. The Department of Environmental Protection's (DEP) Miscellaneous Stream Valley Improvements project generates and assists in rating the outfalls, which are identified as that project expands into additional watersheds.

### Capacity

The capacity of each repair will match the existing capacity of the storm drain pipe or system.

### JUSTIFICATION

Collapsed storm drain pipe sections, undermined endwalls, and eroded outfall channels create hazardous conditions throughout the County. The course of drainage could be altered endangering private property or public roads and speeding the erosion of stream channels. Erosion from damaged outfalls results in heavy sediment load being carried downstream that can severely impact aquatic ecosystems and exacerbate existing downstream channel erosion. Damaged outfalls can adversely impact private property and public roads and are a threat to children who are attracted to playing in stream valleys.

### Plans and Studies

As part of its watershed restoration inventories, DEP identifies storm drain outfalls that are in need of repair in County stream valleys and respective watersheds. As this program expands to include additional watersheds, each outfall is categorized and, where damaged, rated. A functional rating and evaluation process is used to prioritize each outfall.

### Cost Change

Cost increase is due to the addition of FY11 and FY12 to this on-going program.

### STATUS

Ongoing, Completed Outfalls (FY05):

Twinbrook, Lombardy Drive, 410 Hillsboro, River Hill Road, Southampton Drive, Selkirk at Orkney, MacArthur Boulevard at Walhounding Road, Ridge Drive at 62nd Street, Turkey Branch Parkway, 4010 Highview Drive

Scheduled for repairs (FY06 - beyond):

8012 Lilly Stone Drive, 5326 Falmouth Drive, 8907 Clewerwall, 8104 Park Crest Drive.

### OTHER

The following projects are participation projects with DEP: eight outfalls in Turkey Branch Watershed, and four outfalls in Coquelin Run. The number of outfall locations being repaired per year varies based on the severity of the erosion and damage, the complexity of the design, and the complexity of the needed restorative construction work.

\*Expenditures will continue indefinitely.

### FISCAL NOTE

Expenditure in the out years may be reduced if the backlog of repairs is substantially reduced.

### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY99	(\$000)
Initial Cost Estimate		1,400
First Cost Estimate		
Current Scope	FY07	4,505
Last FY's Cost Estimate		3,653
Present Cost Estimate		4,505

Appropriation Request	FY07	426
Appropriation Request Est.	FY08	426
Supplemental		
Appropriation Request	FY06	0
Transfer		0

Cumulative Appropriation		1,949
Expenditures/		
Encumbrances		1,535
Unencumbered Balance		414

Partial Closeout Thru	FY04	0
New Partial Closeout	FY05	0
Total Partial Closeout		0

### COORDINATION

Department of Environmental Protection  
Maryland-National Capital Park and Planning Commission  
Maryland Department of the Environment  
United States Army Corps of Engineers  
Montgomery County Department of Permitting Services  
Utility Companies  
Miscellaneous Stream Valley Improvements

### MAP

